

**In The Claims:**

1. (Original) A diagnostic system for a data acquisition system comprising:  
a computer controller coupled to the data acquisition system;  
a display device coupled to the computer controller;  
said controller receiving data from said data acquisition system, diagnosing a problem in response to said data, said controller generating a screen display corresponding to an architectural representation of the data acquisition system, said controller generating a screen indicia on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system.
2. (Currently Amended) A diagnostic system as recited in claim 1 wherein said data is stored in a memory ~~A diagnostic system as recited in claim 1 wherein said data is communicated from said data acquisition system.~~
3. (Original) A diagnostic system as recited in claim 1 further comprising a network coupling said computer controller and said data acquisition system.
4. (Currently Amended) A diagnostic system as recited in claim ~~[[4]]~~ 3 wherein said network comprises a public service telephone network.
5. (Currently Amended) A diagnostic system as recited in claim ~~[[1]]~~ 3 wherein said network comprises the Internet.
6. (Original) A diagnostic system as recited in claim 1 wherein said controller has a web browser, said controller generating the screen indicia through said web browser.
7. (Original) A system comprising:  
a diagnostic system;  
a data acquisition system coupled to the diagnostic system;  
a computer controller coupled to the data acquisition system;  
a display device coupled to the computer controller;  
said controller receiving data from said data acquisition system, diagnosing a problem in response to said data, said controller generating a screen display corresponding to an architectural representation of the data acquisition system, said controller generating a screen indicia on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system.

8. (Currently Amended) A computed tomography system comprising a system as recited in claim ~~[[8]]~~ 7.

9. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 further comprising a computed tomography system, the data acquisition system is disposed with the computed tomography system.

10. (Currently Amended) A system as recited in claim ~~[[10]]~~ 9 wherein the computed tomography system comprises a detector assembly, said data acquisition system disposed within said detector assembly.

11. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 wherein said data is stored in a memory.

12. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 wherein said data is communicated from said data acquisition system.

13. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 wherein said data acquisition system is located remotely from said diagnostic system.

14. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 further comprising a network coupling said computer controller and said data acquisition system.

15. (Currently Amended) A system as recited in claim ~~[[8]]~~ 7 wherein said controller has a web browser, said controller generating the screen indicia through said web browser.

16. (Original) A method for operating a diagnostic system comprising:  
receiving data from a data acquisition system;  
diagnosing a problem in response to said data;  
generating a screen display corresponding to an schematic representation of the data acquisition system; and

generating a screen indicator on said display device corresponding to a location of a problem on the schematic representation of the data acquisition system.

17. (Currently Amended) A method as recited in claim ~~[[17]]~~ 16 wherein receiving data comprises receiving data through an interface, ~~A method as recited in claim 17 wherein said data acquisition system is disposed within a CT system.~~

18. (Currently Amended) A method as recited in claim ~~[[17]]~~ 16 wherein receiving data comprises remotely receiving data.

19. (New) A diagnostic system as recited in claim 1 wherein said data is communicated from said data acquisition system.

20. (New) A method as recited in claim 16 wherein said data acquisition system is disposed within a CT system.